AUTHOR INDEX

Aoki, I. (Osaka, Japan)
Entropy laws in ecological networks at steady state 289
Cale, W.G. (Dallas, TX, U.S.A.)
Characterizing populations as entities in ecosystem models: problems and limitations of mass-balance modeling 89
Coughlan, J.C., *see* Running, S.W. and Coughlan, J.C.
Dale, V.H., Jager, H.I., Gardner, R.H. and Rosen, A.E. (Oak Ridge, TN, U.S.A.)
Using sensitivity and uncertainty analyses to improve predictions of broad-scale forest development 165
Eilers, P.H.C. and Peeters, J.C.H. (Middelburg, The Netherlands)
A model for the relationship between light intensity and the rate of photosynthesis in phytoplankton 199
Gardner, R.H., *see* Dale, V.H. et al.
Gatto, M. (Milano, Italy)
A functional interpretation of the logistic equation 155
Book review of *Bioeconomic Modelling and Fisheries Management*, by C.W. Clark . . 161
Hathhorn, W.E., *see* Tung, Y.K. and Hathhorn, W.E.
Hearne, J.W. (Palmerston North, New Zealand) and Howard-Williams, C. (Taupo, New Zealand)
Modelling nitrate removal by riparian vegetation in a springfed stream: the influence of land-use practices 179
Herendeen, R.A. (Champaign, IL, U.S.A.)
Network trophic dynamics (Letter to the Editor) 75
Howard-Williams, C., *see* Hearne, J.W. and Howard-Williams, C.
Jager, H.I., *see* Dale, V.H. et al.
Kindig, A.C., *see* Rose, K.A. et al.
Klepper, O. (Yerseke, The Netherlands) and Van de Kamer, J.P.G. (Middelburg, The Netherlands)
A definition of the consistency of the carbon budget of an ecosystem, and its application to the Oosterschelde estuary, S.W. Netherlands 217
Legendre, P., *see* Ouimet, C. and Legendre, P.
Liu Jiagang (Beijing, People's Republic of China)
A theoretical model of the process of rainfall interception in forest canopy 111
Mahamah, D.S. (Lacey, WA, U.S.A.)
Simplified sensitivity analysis applied to a nutrient-biomass model 103
Muratori, S., *see* Gatto, M. et al.
Ouimet, C. and Legendre, P. (Montréal, Que., Canada)
Practical aspects of modelling ecological phenomena using the cusp catastrophe . . . 265
Paloheimo, J.E. (Toronto, Ont., Canada)
Estimation of marine production from size spectrum 33
Park, S.S. and Uchrin, C.G. (New Brunswick, NJ, U.S.A.)
A numerical mixing zone model for water quality assessment in natural streams: conceptual development 233

Patten, B.C. (Athens, GA, U.S.A.)
Network trophic dynamics: Reply to R.A. Herendeen 78
Peeters, J.C.H., *see* Eilers, P.H.C. and Peeters, J.C.H.
Rinaldi, S., *see* Gatto, M. et al.
Rose, K.A., Swartzman, G.L., Kindig, A.C. and Taub, F.B. (Seattle, WA, U.S.A.)
Stepwise iterative calibration of a multi-species phytoplankton–zooplankton simulation model using laboratory data 1
Rosen, *see* Dale, V.H. et al.
Running, S.W. and Coughlan, J.C. (Missoula, MT, U.S.A.)
A general model of forest ecosystem processes for regional applications. I. Hydrologic balance, canopy gas exchange and primary production processes 125
Skogerboe, G.V. (Logan, UT, U.S.A.)
Book review of *Soil Conservation: Assessing the National Resources Inventory* 85
Stephenson, D. (Johannesburg, South Africa)
Book review of *Planning for Groundwater Protection*, by G.W. Page 305
Swartzman, G.L., *see* Rose, K.A. et al.
Taub, F.B., *see* Rose, K.A. et al.
Tung, Y.K. and Hathhorn, W.E. (Laramie, WY, U.S.A.)
Probability distribution for critical DO location in streams 45
Uchrin, C.G., *see* Park, S.S. and Uchrin, C.G.
Van de Kamer, J.P.G., *see* Klepper, O. and Van de Kamer, J.P.G.
Vardavas, I.M. (Bondi Junction, N.S.W., Australia)
A simple water balance daily rainfall–runoff model with application to the tropical Magela Creek catchment 245
Woolhouse, M.E.J. (Harare, Zimbabwe)
On the dynamical behaviour of transition matrix population models 61
Zucchetto, J. (Washington, DC, U.S.A.)
Book review of *Environmental Decisionmaking in a Transboundary Region*, by A. Rieser, J. Spiller and D. VanderZwaag (Editors) 306